



## 2011-14 MUSTANG 5.0 DBW 90MM THROTTLE BODY

### This throttle body fits the following applications:

- 2011-2014 Mustang GT 5.0L V8
- 2012-2013 Mustang Boss 302

### Included items with this C&L Throttle Body System – Please inspect each item for defects before installation

- C&L throttle body (assembled unit)
- Throttle body harness adapter

## 2011-14 MUSTANG 5.0 Throttle Body Installation Notes:

Please read carefully before attempting to install your new C&L Throttle Body!!

If you do not understand the following notes, C&L recommends that you seek the help of a professional installer / mechanic.

### Visual inspection-

The C&L throttle body is carefully checked before it is shipped to the customer. However, as a precaution we still ask the installer to check for the following things:

1. Make sure there are no 'visibly' loose or untightened bolts or screw.
2. Make sure there is no debris in the throttle body
3. Make sure the throttle plate opens and closes freely without binding or 'hitches'

### You will need-

- Flat head screw driver or 8MM socket
- Socket wrench
- Extension
- 10MM Socket
- 13MM Socket (If applicable).

### Installation Process-

1. Remove strut bar with a 13MM socket (If applicable)
2. Remove engine cover
3. Loosen the hose clamp with a flat head screw driver or 8MM socket
4. Remove intake tube to the factory throttle body
5. Disconnect vehicle harness from the factory throttle body
6. Remove the factory throttle body with a 10MM socket
7. Clean and wipe down any oil or debris around your manifold and gasket before installation
8. Connect the C&L throttle body to vehicle harness with provided harness adapter
9. Install C&L throttle body using the same bolts from factory throttle body  
(Hand tight until snug, DO NOT OVER TIGHTEN)

10. Re-Install intake tube to C&L throttle body
11. Re-Install engine cover
12. Re-Install strut bar (If applicable)
13. Perform engine idle re-learn procedure on the next page

**Port Matching-**

To optimize the performance of the throttle body, we recommend port matching the opening of the manifold to that of the throttle body. When port matching to a factory manifold, be very careful not to blend too far into the manifold. The factory manifold where the throttle body flange transitions into the plenum is thin. Port matching too deep may result in breaking through the manifold.

**Engine idle Re-learn Procedure-**

After installing your new C&L throttle body you'll need to complete the idle re-learn procedure for your vehicle's computer to maximize drivability and performance. Failure to perform this procedure may result in poor drivability and great decrease in performance.

1. Start your vehicle's engine while stationary. (It may take a few attempts to start and run the engine)
2. Leave your vehicle running for 5 minutes or until reaching operating temperature. (Your engine's idle may fluctuate at this time)
3. When engine idle becomes normal, leave it idling for at least 1 minute. (Factory ECU idles around 600-750 RPM)
4. Turn on your vehicle's A/C on and continue to idle for at least 1 minute.
5. Drive your vehicle for at least 10 miles to complete the re-learn procedure.

**Troubleshooting Guide:**

Symptom:	Possible Problem and Solution:
<b>Fluctuating Idle; Hunting Idle; High Idle</b>	<p><b>Idle relearn:</b> - Complete engine idle re-learn procedure stated in this manual</p> <p><b>Vacuum leak:</b> - Check gaskets and vacuum lines</p> <p><b>Intake leak:</b> - Check intake lines and tide down loose hose clamps</p>
<b>None responsive throttle input</b>	<p><b>Loose Connector:</b> - Check harness adapter is securely connected between the C&amp;L throttle body and the vehicle harness.</p>

